

Features

- Low Loss
- High Rejection
- Low Ripple

Description

Surface mount, Silver (Ag) coated barium ceramic filter. Developed for use in 800 MHz infrastructure applications.

Weight: 4.7 grams typical

Material: Filter is composed of a ceramic block plated with Ag.

Filter complies with RoHS standards.



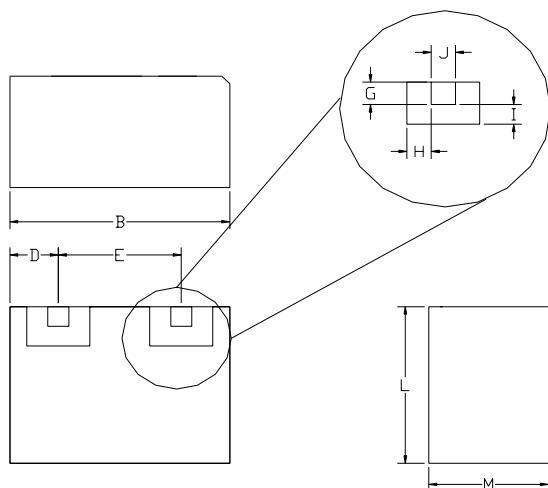
Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. Over 0°C to +70°C
Insertion Loss	869 - 894	1.1 dB	1.6 dB max
Return Loss @ Port 1	869 - 894	12.0 dB	10.0 dB min
Return Loss @ Port 2	869 - 894	12.0 dB	10.0 dB min
Passband Ripple	869 - 894	0.2 dB	0.5 dB max / 3.75 MHz
Attenuation:	729 - 754	40.0 dB	35.0 dB min
	824 - 849	17.0 dB	14.0 dB min
Power into any port		2 Watt max	

Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

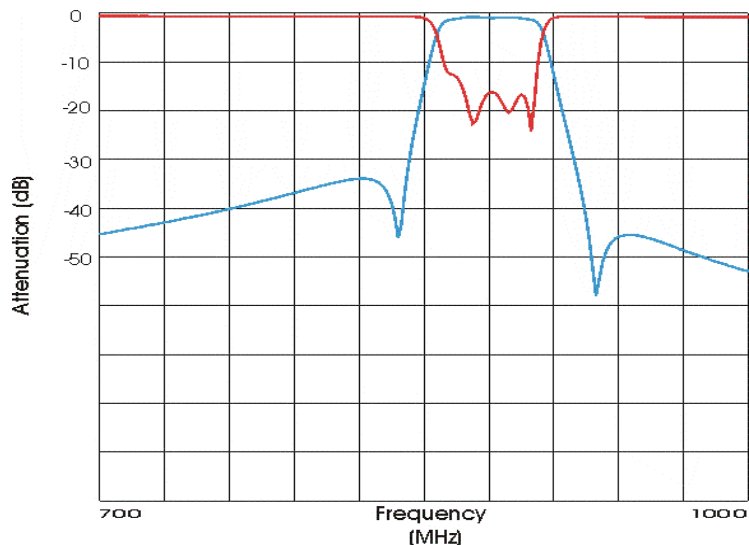
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Mechanical Drawing



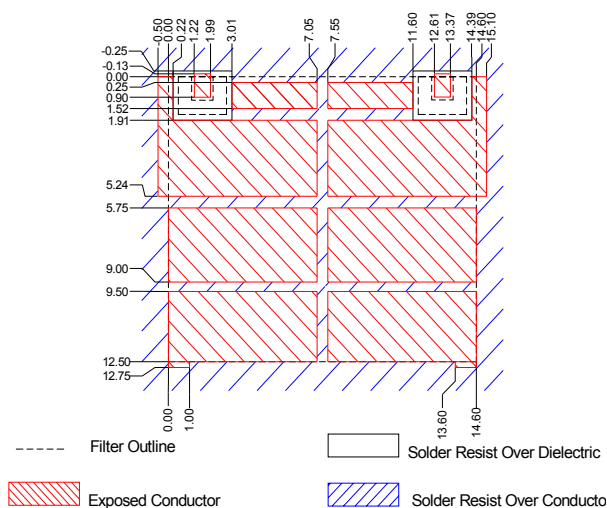
Dim	Nominal (mm)	Tolerance (mm) +/- or max
A		
B	14.74	max
C		
D	1.61	0.13
E	11.38	0.13
F		
G	1.02	0.13
H	0.64	0.13
I	0.64	0.13
J	1.02	0.13
K		
L	12.32	max
M	6.00	max

Electrical response



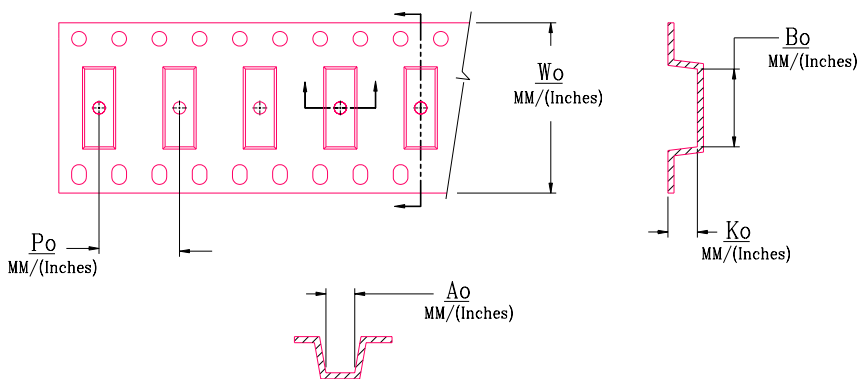
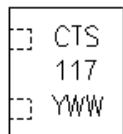
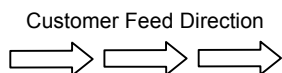
PCB Layout

Recommended CER0117A PCB Layout



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.7
REEL QUANTITY	ea.	250



MODEL NO.	W ₀	A ₀	B ₀	K ₀	P ₀
CER0117	0.945/24	0.496/12.6	0.591/15.0	0.248/6.30	0.630/16.0